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Patent and Trademark Office

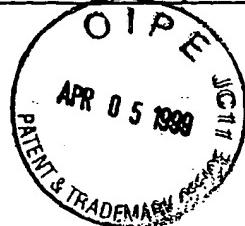
Address: COMMISSIONER OF PATENTS AND TRADEMARK
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
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602100-492 119216/98 GRIFFIN

0252/0201

Douglas W SWARTZ
SHERIDAN ROSS
1700 LINCOLN STREET
SUITE 3500
DENVER CO 80205

#3
119216/98 GRIFFIN

NOV 12 1998

11000

DATE MAILED:

02/01/99

NOTICE TO FILE MISSING PARTS OF PROVISIONAL APPLICATION

Filed Under 37 CFR 1.53 (c)

Filing Date Granted

An Application Number and Filing Date have been assigned to this Provisional Application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of Items 1 or 2 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(l) of \$25.00 for a small entity in compliance with 37 CFR 1.27, or \$50.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set below, the total amount owed by applicant as a
 small entity (statement filed) non-small entity is \$ 200.

1. The statutory provisional application filing fee is:

- missing.
 insufficient.

Applicant must submit \$ 150 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27). *

2. The provisional application cover sheet under 37 CFR 1.151(c)(1) is required identifying:

- either the city and state or city and foreign country of the residence of each inventor.
 the title of the invention.

3. The application was filed in a language other than English.

Applicant must file a verified English translation of the application, the \$130.00 set forth in 37 CFR 1.17(k), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).

4. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

5. Your filing receipt was mailed in error because your check was returned without payment.

6. The drawings contained in the application cannot be scanned or properly stored because they
 do not comply with the size requirements (8-1/2 by 11 inches or 21.0 by 29.7 cm).
 are not clear enough or in permanent ink.

7. The specification cannot be scanned or properly stored. Page(s):

- do not contain writing on only one side of the page.
 do not comply with the size requirements (8-1/2 by 11 inches or 21.0 by 29.7 cm).
 are not clear enough or in permanent ink.

Replacement pages, together with a statement that the replacement page(s) contain no new matter, are required.

* 8. Other: Box authorizing a charge of \$150 was not checked.

75.00 88
25.00

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

A copy of this notice MUST be returned with the reply.

Douglas W Swartz
Customer Service Center
Initial Patent Examination Division (703) 308-1202

199 ZABBALA 00000053 6010497



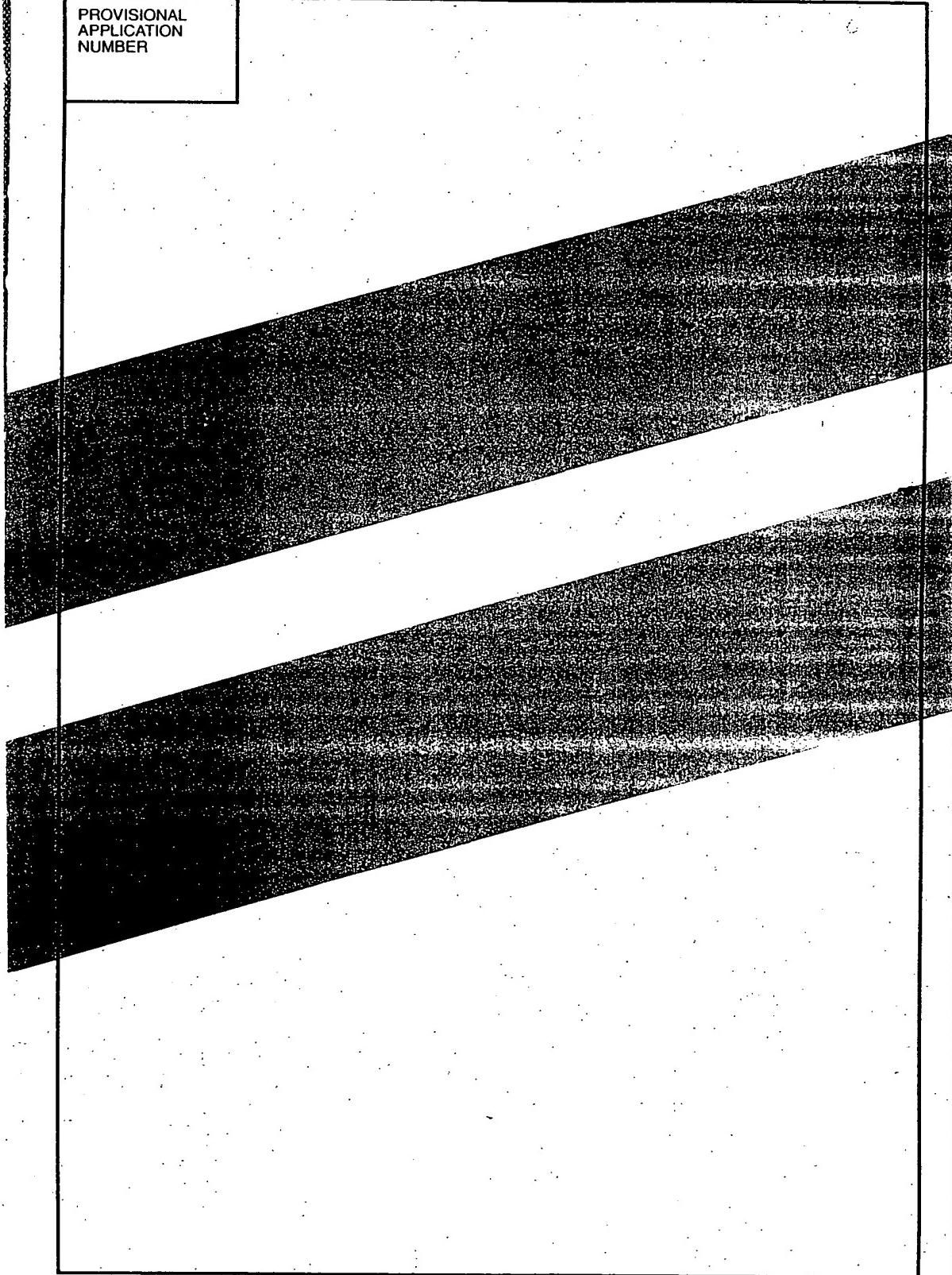
	Subclass
09/16/98	Class
ISSUE CLASSIFICATION	

SC. Nn. D7



63/100, 100

PROVISIONAL
APPLICATION
NUMBER



Form PTO-1625
(Rev. 1-95)

AN-16 bma/4 DWD

QC n/c

(FACE)

PATENT APPLICATION

60100497

EXAMINER
SEARCHER
APPLICANT
ATTORNEY
PRACTICING
PATENT ATTORNEY
PROFESSIONAL PERSON
ORGANIZATION
NAME**CONTENTS**SEARCHED
INDEXED
FILED
APR 1962
N.P.M.Date
Received
or
Mailed

Application _____ papers.

2. Int'l. Pub. Num.3. Fee or deposit4. D

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POSITION	ID NO.	DATE
CLASSIFIER		
EXAMINER	66-548	11-21-68
TYPIST		
VERIFIER		
CORPS CORR.		
SPEC. HAND	66-548	6/2/68
FILE MAINT		
DRAFTING		

SERIAL NUMBER 60/100,497 PROVISIONAL	FILING DATE 09/16/98	CLASS	GROUP ART UNIT 0000	ATTORNEY DOCKET NO. 3376-21PROV3
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APPLICANT

DENNIS H. GREEN, ARVADA, CO; JEFF MUELLER, BOULDER, CO.

CONTINUING DOMESTIC DATA***
 VERIFIED

371 (NAT'L STAGE) DATA***
 VERIFIED

FOREIGN APPLICATIONS***
 VERIFIED

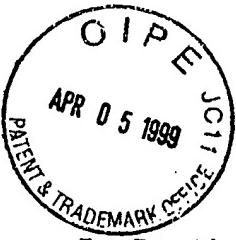
IF REQUIRED, FOREIGN FILING LICENSE GRANTED 12/31/98 ** SMALL ENTITY **

Foreign Priority claimed 35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY CO	SHEETS DRAWING 2	TOTAL CLAIMS	INDEPENDENT CLAIMS
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Verified and Acknowledged Examiner's Initials _____ Initials _____	DOUGLAS W SWARTZ SHERIDAN ROSS 1700 LINCOLN STREET SUITE 3500 DENVER CO 80203
---	---

TITLE METHOD OF REMOVING ORGANIC LIXIVIANT FROM COPPER SX-EW ELECTROLYTE STREAM	
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FILING FEE RECEIVED \$100	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT NO. _____ for the following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
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7210 \$
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:)

)
GREEN ET AL)

)
Serial No.: 60/100,497)

)
Filed: September 16, 1998)

)
Atty. File No.: 3376-21PROV3)

)
For: "METHOD OF REMOVING ORGANIC
LIXIVIANT FROM COPPER
SX-EW ELECTROLYTE STREAM")

Assistant Commissioner For Patents
Box Missing Parts
Washington, D.C. 20231

SUBMISSION OF MISSING
PARTS

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING
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DC 20231 ON 3/31/99.

SHERIDAN ROSS P.C.

BY: *Christine Jacquot*

Dear Sir:

In response to the Notice to File Missing Parts dated February 1, 1999, in connection with the above-identified application, enclosed herewith please find a Verified Statement (Declaration) Claiming Small Entity Status. Please note that the Assignment documents have been submitted to the Assignment Branch under separate cover on this same date.

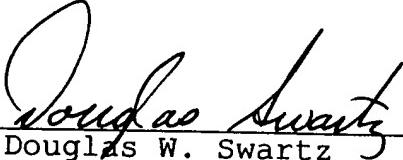
Also enclosed please find a check for \$100.00 which includes payment of the filing fee in the amount of \$75.00 reflecting small entity status, and the amount of \$25.00 payment of the surcharge. Please credit any overpayment or debit any underpayment to Deposit Account No. 19-1970. A copy of the Notice to File Missing Parts is also enclosed.

Please address all future correspondence to the undersigned attorney at the address below.

Respectfully submitted,

SHERIDAN ROSS P.C.

By:



Douglas W. Swartz

Registration No. 37,739

1700 Lincoln Street, Suite 3500

Denver, Colorado 80203

(303) 863-9700

Date: March 31, 1999



Address: COMMISSIONER OF PATENTS AND TRADEMARK
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
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DEPARTMENT OF EDUCATION
SHERIDAN REGION
3700 LINDENBROOK STREET
SUITE 3500
DENVER CO 80209

100% / 0.000

Table 11. Summary

DATE MAILED:

NOTICE TO FILE MISSING PARTS OF PROVISIONAL APPLICATION
Filed Under 37 CFR 1.53 (c)
Filing Date Granted

An Application Number and Filing Date have been assigned to this Provisional Application. The items indicated below, however, are missing. Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of Items 1 or 2 are indicated as missing, the SURCHARGE set forth in 37 CFR 1.16(l) of \$25.00 for a small entity in compliance with 37 CFR 1.27, or \$50.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set below, the total amount owed by applicant as a
 small entity (statement filed) non-small entity is \$ 21,000

1. The statutory provisional application filing fee is:

missing.
 insufficient.

*Applicant must submit \$ 150 — to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27). **

2. The provisional application cover sheet under 37 CFR 1.151(c)(1) is required identifying:

either the city and state or city and foreign country of the residence of each inventor.
 the title of the invention.

3. The application was filed in a language other than English.

Applicant must file a verified English translation of the application, the \$130.00 set forth in 37 CFR 1.17(k), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).

4. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21 (m)).

5. Your filing receipt was mailed in error because your check was returned without payment.

6. The drawings contained in the application cannot be scanned or properly stored because they

do not comply with the size requirements (8-1/2 by 11 inches or 21.0 by 29.7 cm).
 are not clear enough or in permanent ink.

7. The specification cannot be scanned or properly stored. Page(s):

_____ do not contain writing on only one side of the page.
 _____ do not comply with the size requirements (8-1/2 by 11 inches or 21.0 by 29.7 cm).
 _____ are not clear enough or in permanent ink.

Replacement pages, together with a statement that the replacement page(s) contain no new matter, are required.

8. Other: *Box out the entire answer space if 8-10*

Replacement pages, together with a statement that the replacement page(s) contain no new matter, are required.

* 8. Other: Box authorizing a charge of \$150 was not checked.

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A copy of this notice MUST be returned with the reply.

~~Priority~~
Customer Service Center
Initial Patent Examination Division (703) 308-1202



Accounting Date	Operator ID	Seq. No.	Txn Src	Fee	St Code	Amount	Name/Number	Attny D
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09/22/1998	DNASH1	71	SALE	214	A	75.00	60100497	out
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60100496
yellow



Adjustment Detail

Authorization Detail



Adjustment date: 08/07/1998 RECORD#
09/22/1998 DNASH1 00000049 60100497
214 -75.00 0P



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

CHANGE OF ADDRESS/POWER OF ATTORNEY

LOCATION 9200 SERIAL NUMBER 60100497 PATENT NUMBER

THE CORRESPONDENCE ADDRESS HAS BEEN CHANGED TO CUSTOMER # 22442

THE PRACTITIONERS OF RECORD HAVE BEEN CHANGED TO CUSTOMER # 22442

THE FEE ADDRESS HAS BEEN CHANGED TO CUSTOMER # 22442

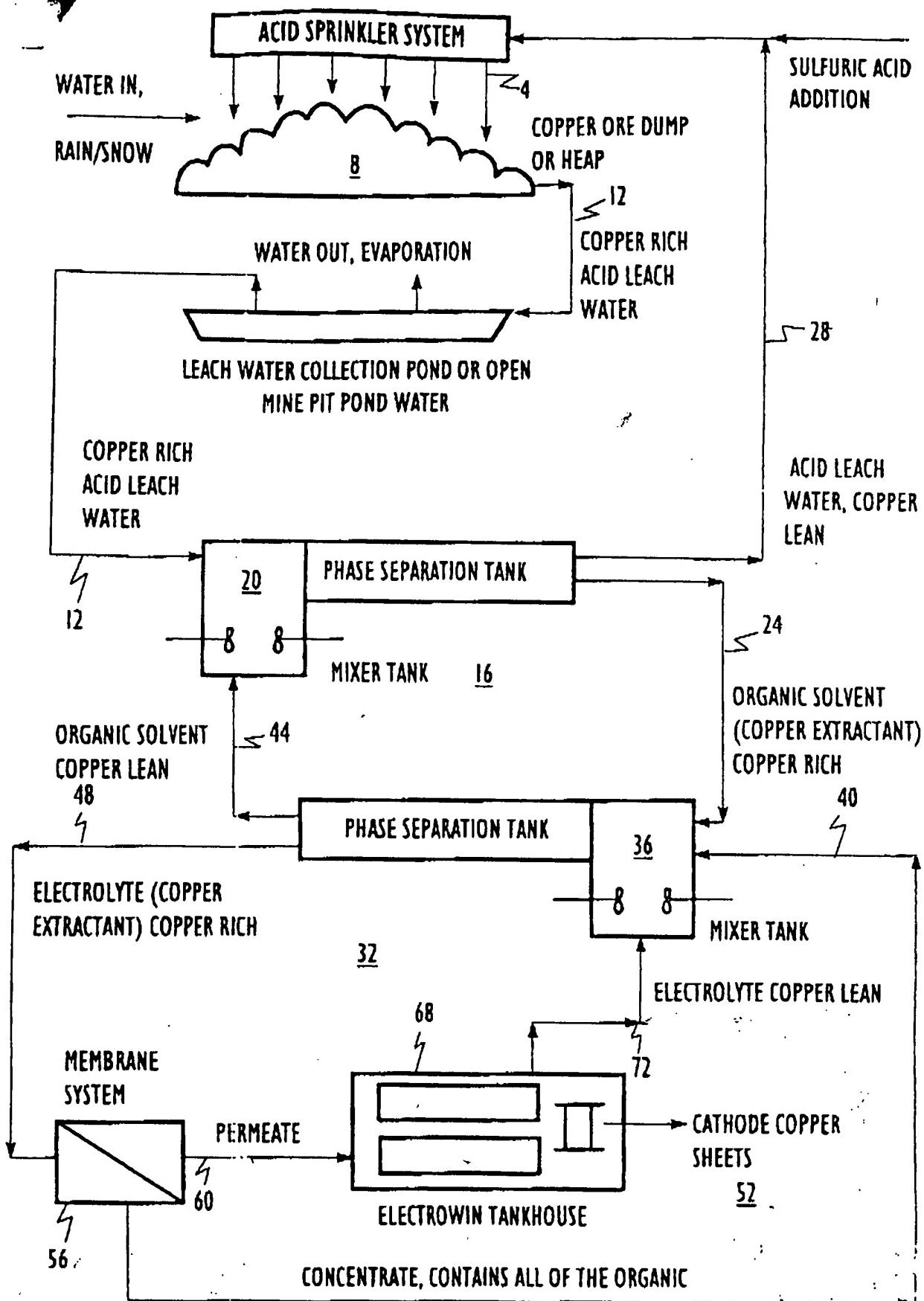
ON 12/14/99 THE ADDRESS OF RECORD FOR CUSTOMER NUMBER 22442 IS:

SHERIDAN ROSS PC
1560 BROADWAY
SUITE 1200
DENVER CO 80202

AND THE PRACTITIONERS OF RECORD FOR CUSTOMER NUMBER 22442 ARE:

3127	30980	31071	31264	31328	31713	32020	32547	33005	33374
5536	37739	38172	38613	38942	39617	40638	40945	42460	42499
2801	43616	44189							

PTO INSTRUCTIONS: PLEASE TAKE THE FOLLOWING ACTION WHEN THE CORRESPONDENCE ADDRESS HAS BEEN CHANGED TO CUSTOMER NUMBER: RECORD, ON THE NEXT AVAILABLE CONTENTS LINE OF THE FILE JACKET, 'ADDRESS CHANGE TO CUSTOMER NUMBER'. LINE THROUGH THE OLD ADDRESS ON THE FILE JACKET LABEL AND ENTER ONLY THE 'CUSTOMER NUMBER' AS THE NEW ADDRESS. FILE THIS LETTER IN THE FILE JACKET. WHEN ABOVE CHANGES ARE ONLY TO FEE ADDRESS AND/OR PRACTITIONERS OF RECORD, FILE LETTER IN THE FILE JACKET.



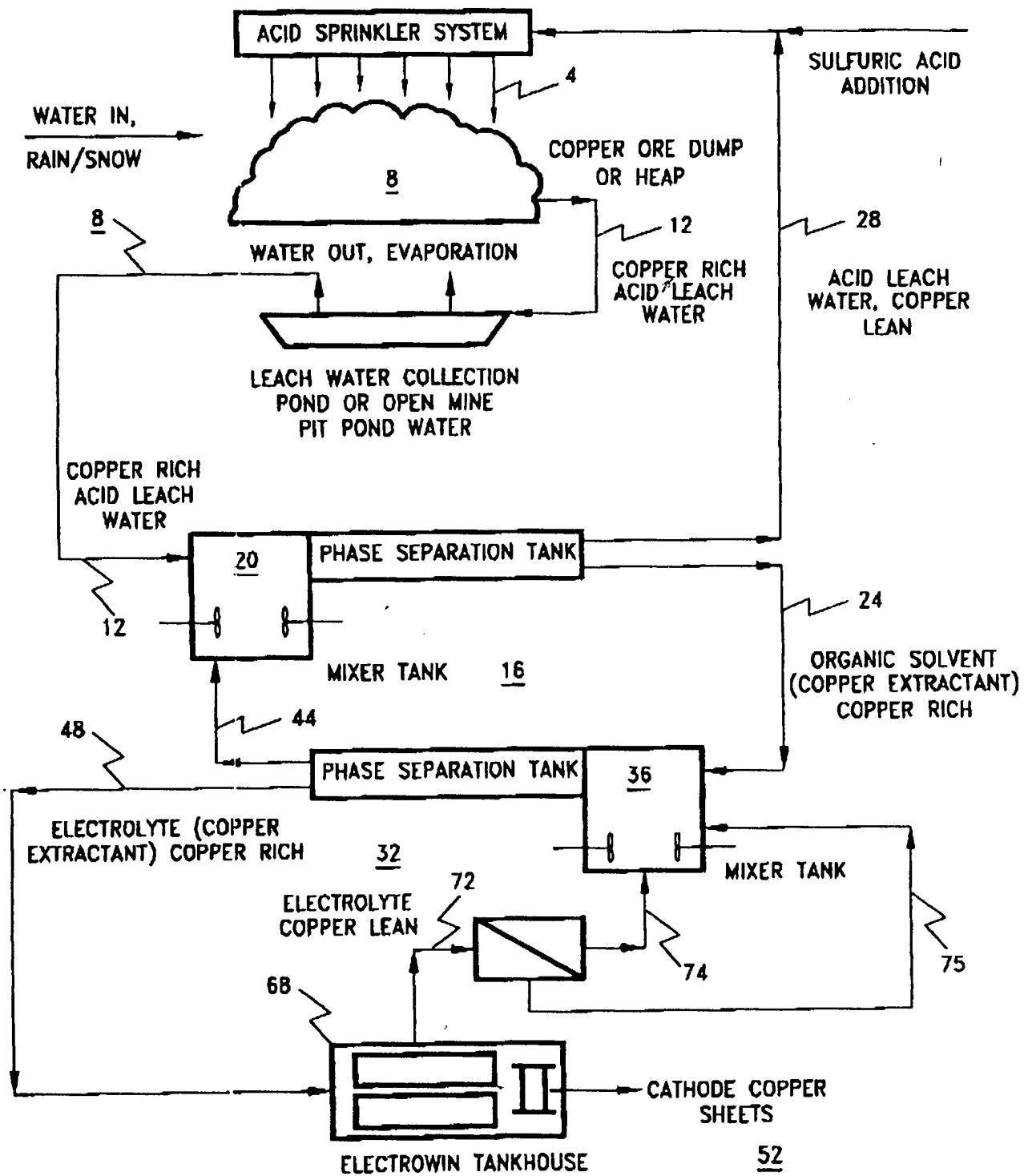


FIGURE 2

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
Fee Record Sheet

100-1104 12345678 98765432 00000000
100-1104 12345678 98765432 00000000

PTO-1556
(5/87)

PROVISIONAL APPLICATION COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c)(2).

JC51 U.S. 106469
9/16/98

Docket Number	3376-21PROV3	Type a plus sign (+) inside this box -
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INVENTOR(s)/APPLICANT(s)

LAST NAME	FIRST NAME	MIDDLE INITIAL	RESIDENCE (CITY AND EITHER STATE OR FOREIGN COUNTRY)
Swartz	Dennis	H.	9455 West 68th Avenue Arvada, Colorado 80004
Mueller	Jeff		3462 Cripple Creek Square Boulder, Colorado 80303

TITLE OF THE INVENTION (280 characters max)

"METHOD OF REMOVING ORGANIC LIXIVIANT FROM COPPER SX-EW ELECTROLYTE STREAM"

CORRESPONDENCE ADDRESS

Douglas W. Swartz, Esq.
Sheridan Ross P.C.
1700 Lincoln Street, Suite 3500
Denver

STATE	Colorado	ZIP CODE	80203	COUNTRY	United States of America
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ENCLOSED APPLICATION PARTS (check all that apply)

<input checked="" type="checkbox"/>	Specification	Number of Pages	16	Small Entity Statement
<input checked="" type="checkbox"/>	Drawing(s)	Number of Sheets	2	Other (specify)

METHOD OF PAYMENT (check all that apply)

<input checked="" type="checkbox"/>	A check or money order is enclosed to cover the filing fees	<input checked="" type="checkbox"/>	PROVISIONAL FILING FEE AMOUNT (\$)	\$150.00
<input checked="" type="checkbox"/>	The Commissioner is hereby authorized to charge filing fees and credit Deposit Account Number:	19-1970		

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

No.

Yes, the name of the U.S. Government agency and the Government contract number are: _____

Douglas Swartz

Douglas W. Swartz
Registration No. 37,739
SHERIDAN ROSS P.C.
1700 Lincoln Street, Suite 3500
Denver, Colorado 80203-4501
Phone: (303) 863-9700
Fax: (303) 863-0223

Date: Sept 16, 1998

"EXPRESS MAIL" MAILING LABEL NUMBER: EM296155497US
DATE OF DEPOSIT: September 16, 1998

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

TYPED OR PRINTED NAME: JENNIE R. HAMEL

SIGNATURE: Jennie R. Hamel